

19970919.qrp v00\_n853.qrs.970919

Date: Fri, 19 Sep 1997 19:03:12 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 853

QRP-L Digest 853

Topics covered in this issue include:

- 1) [27006] Re: Calculating Apex Angles  
by AE0Q V31RY <v31ry@ix.netcom.com>
- 2) [27007] NORCAL SITE DOWN???  
by "CHRIS" <guardian@mvtel.net>
- 3) [27008] re: Building a Magnetic Loop for 20-80 meters  
by J0ppen6115@aol.com
- 4) [27009] QRP Afield / Batteries  
by w\_hill@ns.net (Ward Hill)
- 5) [27010] sorry, just got NORCAL  
by "CHRIS" <guardian@mvtel.net>
- 6) [27011] NORCAL SITE DOWN???  
by Jerry Parker <jparker@fix.net>
- 7) [27012] Please  
by Jerry Parker <jparker@fix.net>
- 8) [27013] Re: Spud Shotgun  
by Richard Powell <ripowell@mpna.com>
- 9) [27014] Rainbow Enclosure??!!??  
by doug hauff <slmachco@fix.net>
- 10) [27015] RS-DSP & QF-1a data (long)  
by nskousen@scientech.com (Niel Skousen)
- 11) [27016] Want TenTec PTO  
by Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
- 12) [27017] Yaesu QRP  
by "Lorraine Y. Aubert" <AC6XK@ivic.net>
- 13) [27018] sw card for pc  
by charlie <crc@io.com>
- 14) [27019] Re: NorCal Tee Shirts  
by Ken Lopez <kjlopez@earthlink.net>
- 15) [27020] Chuck's \$100 resistors  
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 16) [27021] MFJ CWF-2  
by Jim Osburn <wd9eyb@indiana.net>
- 17) [27022] Re: Rainbow Tuner Enclosure  
by w4bws@juno.com (Donald E Sanders)
- 18) [27023] Re: (no subject)  
by w4bws@juno.com (Donald E Sanders)
- 19) [27024] Inverted V Dipole Angle Calculation

by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
20) [27025] RE: Yaesu QRP  
by af852@rgfn.epcc.Edu (William R Colbert)  
21) [27026] re: shortwave board for PC's  
by af852@rgfn.epcc.Edu (William R Colbert)  
22) [27027] re: shortwave card for PC's  
by af852@rgfn.epcc.Edu (William R Colbert)  
23) [27028] re: shortwave board for PC's  
by Sandy W5TVW <ebjr@worldnet.att.net>  
24) [27029] Inverted V Dipole Angle Calculation  
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
25) [27030] Re: QRP afield rules?  
by Paul Harden <pharden@aoc.nrao.edu>  
26) [27031] Keyer choice  
by Vic Rosenthal <rakefet@rakefet.com>  
27) [27032] MFJ CWF-2  
by "W. D. Lindsey" <70511.3041@CompuServe.COM>  
28) [27033] N5INZ- I'm back.....  
by n5inz@juno.com (John M Andrews)  
29) [27034] PROP: qrp to the field  
by torell@sicom.com (Kent Torell)  
30) [27035] De K0EVZ:Tks for Posting Rules  
by "W. D. Lindsey" <70511.3041@CompuServe.COM>  
31) [27036] El Nino and apologies to Dana  
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
32) [27037] CQC Summer QSO Party Logs  
by "Marshall Emm" <mgemm@mtechnologies.com>  
33) [27038] FS:Rigs/Bug  
by Ken Lopez <kjlopez@earthlink.net>  
34) [27039] Re: De K0EVZ:Tks for Posting Rules  
by "W. D. Lindsey" <70511.3041@compuserve.com>  
35) [27040] Re: El Nino and apologies to Dana  
by Jim Glover <psykey@okcforum.org>  
36) [27041] September NorCal Pics up  
by Jerry Parker <jparker@fix.net>  
37) [27042] new NorCal kit  
by Bruce Rattray <rattray@siast.sk.ca>  
38) [27043] QRP Afield  
by "Ron Polityka" <wb3aal@talon.net>  
39) [27044] QRPA call?  
by Chris Cartwright <ccart@dns.vidtel.com>  
40) [27045] 12 volt 3.2 AH battery--\$15  
by SNickrand@aol.com  
41) [27046] Virus pain  
by PDouglas12@aol.com  
42) [27047] Virgin Call for QRP Afield  
by "Lageson's" <LAGESON@worldnet.att.net>  
43) [27048] AL7FS beam heading request

by "James H. Larsen" <larsennc@alaska.net>  
44) [27049] Heath Sixer 6 meter QRP  
by rerobins@unccvm.uncc.edu (Rick Robinson)  
45) [27050] Goin' to da field!  
by Craig LaBarge <LaBarge\_C@compuserve.com>  
46) [27051] Re: SST/40 question  
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
47) [27052] FS: Lightning Bug Sold  
by Ken Lopez <kjlopez@earthlink.net>  
48) [27053] QRP Solar Forecast: good  
by Paul Harden <pharden@aoc.nrao.edu>

-----  
Date: Thu, 18 Sep 1997 17:05:01 -0600  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
To: ki7mn@dancris.com, qrp-l@Lehigh.EDU  
Subject: [27006] Re: Calculating Apex Angles  
Message-ID: <2.2.16.19970918230501.218f2d18@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 13:17 18-09-97 -0700, KI7MN wrote:

>How do I calculate the apex angle for a vee-beam? I would like it to perform  
>well on all bands, but best on 40/30/20.

>

>I have read that the angle should be 70 degrees or so for 15 meters, but how  
>is this angle calculated?

>

Bob, the ARRL Antenna Handbook has a chart showing the Apex angle relative to the length in wavelengths and which wave angle you want the main lobe to be (0 or 15 deg). It's in the section "Long Wire and Traveling Wave Antennas", chapter 13 pg 6 of the 15th edition. The shorter the legs, the wider the apex angle should be to keep the wave angle low.

They include a paragraph on using a vee-beam as multi-band antenna (14-28 MHz). With 350ft legs, a 35 deg angle is the recommended compromise. It will also work on 7 and 3.5 MHz; the wave angle is higher, but that's not as important on the lower bands.

The optimum apex angle for 15m with 350ft legs is 36 deg.

73/ZUT -- Glenn

-----  
"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY                    ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com       --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--

<http://www.qsl.net/ae0q>

-----  
Date: Thu, 18 Sep 1997 18:23:54 -0700  
From: "CHRIS" <guardian@mvtel.net>  
To: <qrp-1@lehigh.edu>  
Subject: [27007] NORCAL SITE DOWN???  
Message-ID: <9709182320.AA15773@host.ot.centuryinter.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Tried to visit NORCAL for the 49er audio fix and the url doesn't seem to connect.

chris kb5vyb

-----  
Date: Thu, 18 Sep 1997 19:27:57 -0400 (EDT)  
From: J0ppen6115@aol.com  
To: jbertolino@nexo.es  
Cc: qrp-1@lehigh.edu  
Subject: [27008] re: Building a Magnetic Loop for 20-80 meters  
Message-ID: <970918192627\_1222780273@emout13.mail.aol.com>

Hi Juan,  
I can't help you with the formula question, but from what I've learned about these antennas, I suspect you'd be much better off if you made two loops to cover this frequency range. If you try to stretch a 20 m loop to 80 meters, the efficiency will be very low and as you're finding out, the capacitance becomes excessively large.

Despite the 10-30 meter models such as AEA's version, it seems to me that beyond a 2:1 frequency range, the efficiency drops off sharply.

Good luck and 73,  
John, KJ6HZ

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Date: Thu, 18 Sep 1997 16:42:22 -0700  
From: w\_hill@ns.net (Ward Hill)

To: qrp-1@Lehigh.EDU  
Subject: [27009] QRP Afield / Batteries  
Message-ID: <v01540b00b0476c63bd97@[204.119.242.33]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anyone have experience using 10 AAs (15 volts) with a 40A? I don't want to blow up my nice rig. Is this too much voltage or will it hack it?

I will be there with the 40A and a SLV/W6MMB. Hope to see you all there.

72/73,

Ward Hill - WA6FUH  
w\_hill@ns.net Life Member ARRL 10-10 #27139 QRP-L #1117 AK/QRP #249

Engineer @  
Channel 3 KCRA (NBC) &  
Channel 58 KQCA (UPN), Sacramento, California

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Date: Thu, 18 Sep 1997 18:48:34 -0700  
From: "CHRIS" <guardian@mvtel.net>  
To: <qrp-1@lehigh.edu>  
Subject: [27010] sorry, just got NORCAL  
Message-ID: <9709182345.AA12272@host.ot.centuryinter.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

must have been a server problem

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Date: Thu, 18 Sep 1997 16:49:57 -0700  
From: Jerry Parker <jparker@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [27011] NORCAL SITE DOWN???  
Message-ID: <2.2.32.19970918234957.00e138d0@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The NorCal site is alive and well.

My Internet Service Provider was down for a few minutes but is up and running now.

This is a rare event.

By the way. If you cannot access an address, wait awhile and try again as there are many reasons a site cannot be accessed and most of them temporary.

Enjoy,,,72,,,Jerry...WA6OWR...K

>Date: Thu, 18 Sep 1997 18:23:54 -0700  
>Reply-To: guardian@mvtel.net  
>Sender: owner-qrp-1@Lehigh.EDU  
>From: "CHRIS" <guardian@mvtel.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: NORCAL SITE DOWN???  
>X-To: <qrp-1@lehigh.edu>  
>X-Msmail-Priority: Normal  
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
>  
>Tried to visit NORCAL for the 49er audio fix and the url doesn't seem to  
>connect.  
>  
>chris kb5vyb  
>  
>  
>

-----  
Date: Thu, 18 Sep 1997 17:03:59 -0700  
From: Jerry Parker <jparker@fix.net>  
To: qrp-1@lehigh.edu  
Cc: ki6ds@telis.org  
Subject: [27012] Please  
Message-ID: <2.2.32.19970919000359.00e17520@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Guys and Gals,

Please, No more email about the upcoming New NorCal Kit.

No kidding, I cannot devulge anything other than what I  
have seen is of superior quality as with all NorCal Kits.

Please, dont ask?

Enjoy and check the NorCal Page come October 18th. at Noon.

The info will be there!

72,,,Jerry...WA6OWR...K

-----  
Date: Thu, 18 Sep 1997 22:18:47 -0400  
From: Richard Powell <ripowell@mpna.com>  
To: qrp-l@lehigh.edu  
Subject: [27013] Re: Spud Shotgun  
Message-ID: <1.5.4.32.19970919021847.0069dae8@smtp.mpna.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

And I thought my idea of using a modified golf ball was weird!

/rick

At 08:38 AM 9/18/97 -0600, whalen@swcp.com wrote:

>Hello Fellow QRPers! I built a spud gun about 2 weeks ago and my son's  
>and I are having a great time playing with it. I read a post about the  
>fellow that put the sock over the end of the gun....thought that was a  
>good idea. I don't think that putting a line attached to a nail into the  
>spud would be that good of an idea! The problem with the sock was that  
>the velocity of the "spuder" is too great. I think if you were to put  
>pieces of spud into the chamber, instead of a whole spud, it would limit  
>the range and force of the spud chunks! I will do an experiment with the  
>sock and spud chunks and let you know how it works for antenna  
>launching. Maybe I will find a really good sock also! One that is made  
>of wool, fiberglass reinforced, with extra webbing in the toe area! 72, Tom  
>WB5QYT....."Have spud will travel!" ..... He's a @\*@@ of a antenna  
>launchin' man!"

>  
>  
>

Richard Powell    WB6JBM    TENTEN - 13044  
ripowell@mpna.com    <http://www.mpna.com/ripowell>

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Date: Thu, 18 Sep 1997 20:43:13 -0700 (PDT)  
From: doug hauff <slmachco@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [27014] Rainbow Enclosure??!!??  
Message-ID: <199709190343.UAA12430@fletch.fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

C'mon you guys, belly up to the bar and make an order...I need a few more yes votes for an excuse to produce this...did I mention the color will be Iridescent Blue (anodized)? Note: The way I design these extravagant aerospace-type hog-out enclosures, you will have to use the switches, etc. I outlined, there is simply no room for anything else, and difficult on no access for stock jumpers,etc. Time to place your bets...

73 Doug    KE6RIE    -just trash your TV(vast wasteland) you'll feel better...-

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Date: Thu, 18 Sep 1997 21:58:39 -0600  
From: nskousen@scientechn.com (Niel Skousen)  
To: qrp-1@Lehigh.EDU  
Subject: [27015] RS-DSP & QF-1a data (long)  
Message-ID: <v01510100b0479a566d87@[205.180.127.20]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I did a little playing last night, and would be interested in comments / interpretation of some data taken on my RS DSP and on an Autek QF-1A.

Data is taken is audio level with observations from an visual FFT program on my MAC. A radiated signal (-24dBm into a 6"ant) was used to establish a stable test signal in the presence of off-the-air noise. The test configuration is:



IFR(7.000.0Mhz @ -24 dBm)===[900Mhz Ant]

[HF.vert]===[FT757]----[filter]---[HP339]||[FFT]

| DSP Results (dBu) :      | w/ sig. | noise | 'SNR'   |
|--------------------------|---------|-------|---------|
| Sig. w/o filter          | -17     | -22   | 5 dB    |
| noise reduction w/o sig. | -22     | -27   | 5 dB NR |
| CW-Wide (960 hz)         | -23     | -27   | 4 dB    |
| CW-Med (560 hz)          | -24     | -29   | 5 dB    |
| CW-Nar (300 hz)          | -25     | -30   | 6 dB    |

- system gain +10 to -30
- Hetrodyne removal on SSB is very good, CW disappears
- broad impulse noise is reduced more than 5 dB, less than 10
- random noise (redundant I know..) does not seem to be as significantly impacted as the numbers may indicate

| QF-1A Results (dBu) :            | w/ sig. | noise | 'SNR' |
|----------------------------------|---------|-------|-------|
| Sig. w/o filter                  | -17     | -22   | 5 dB  |
| <volume adjusted !! #%%\$&#%\$%> |         |       |       |
| CW-Wide (1 khz)                  | -25     | -28   | 3 dB  |
| CW-Med (.5 khz)                  | -22     | -28   | 6 dB  |
| CW-Nar (less :-)                 | -16     | -28   | 12 dB |

- system gain +22 dB w/ no seperate volume, switch w/ CARE
- noise reduction is a function of bandwidth only
- Q rise in signal provides increased SNR, w/ Significant THD (20%)
- some ringing, not real pleasant but still an improvement in some cases, or w/ older rig...

#### Conclusions/observations:

- some spectral artifacts show up, 120 hz, occasionally in the 2k+ range
- I do not observe the expected 1/BW reduction of noise,
- I do not observe the advertised reduction of random noise
- I do see reasonable, but not excellent, reduction of impulse noise
- 
- there are cases where I cannot find the signal w/ DSP, but cannot copy w/o
- its not doing what I really expected from a DSP processor,
- spectrum does not look like there is any significant noise impact
- filter edges are very sharp, and work well to eliminate distracting noises
- noise / impulses almost appear to be spread, not subtracted

Oh well, enough for now...

- Did I miss something or mess up the measurement / evaluation ?

- Am I expecting too much ?
- Do the 'big boys' (Timewave etc) do it ?
- Chance that the TMS320 DSP is doing ok, but the balance of the audio in teh RS is contributing prob/noise ?

The Foxhunt is coming, and this is part of sharpening my saw, I'm interested in any input / comments / evaluation of the data, etc.

TNX 4/ BW  
Niel

-----  
Date: Thu, 18 Sep 1997 21:02:26 -0700  
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>  
To: rec.radio.swap@safety.ics.uci.edu  
Cc: tentec@contesting.com, qrp-1@Lehigh.EDU  
Subject: [27016] Want TenTec PTO  
Message-ID: <2432.874641746@safety.ics.uci.edu>

Anyone have a spare PTO assembly for the Triton / early OMNI or Corsair series transceivers? I used to have a spare to rebuild and keep on hand, but last year I sold it, (not smart).

Clark  
WA3JPG

-----  
Date: Thu, 18 Sep 1997 22:11:12  
From: "Lorraine Y. Aubert" <AC6XK@ivic.net>  
To: qrp-1@Lehigh.EDU  
Subject: [27017] Yaesu QRP  
Message-ID: <3.0.1.16.19970918221112.195f9230@ivic.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello All!  
Does anyone out there have any information about turning the Yaesu FT-301D into a QRP rig (tx at 5 watts?) I have one of these radios and was told that it could be made QRP by removing the booster unit at the back. I'd appreciate any information on this. As I am not very mechanically inclined, I would need detailed instructions on this!!! :)

Thanks to all and 72,  
Lorraine, AC6XK

-----  
Date: Fri, 19 Sep 1997 00:32:33 -0500  
From: charlie <crc@io.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [27018] sw card for pc  
Message-ID: <34220E70.6374@io.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

does anyone know of a shortwavw card for pc's?and maybe a scope card?

-----  
Date: Thu, 18 Sep 1997 23:20:01 -0700  
From: Ken Lopez <kjlopez@earthlink.net>  
To: grudin@pacific.vdbs.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [27019] Re: NorCal Tee Shirts  
Message-ID: <34221995.28C5@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jeff Grudin wrote:

> >  
>  
> Damn, I was thinking how fun it would be to hose down Jim and Doug at  
> Pacificon.  
>  
> We could have used little squirt guns (obligatory QRPeer)

Oh, I don't know, I was thinking more of a dunking booth, or maybe even  
a dunking stool as they used in the witch hunts in Salem, Mass.

Or, maybe a Pillory and Stocks, or.....

We'll find out, yes, yes, hee hee.....

Cheers,

Ken

-----  
Date: Fri, 19 Sep 1997 07:18:44 -0400  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>  
To: "qrp-l@lehigh" <qrp-l@Lehigh.EDU>  
Subject: [27020] Chuck's \$100 resistors  
Message-ID: <199709190719\_MC2-2109-DA5D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi there all, (& Chuck)

No, no, you missed the point entirely Chuck! Buying the 1000 resistors all  
at one value for \$100 means you have enough to make up 999 kits for the  
rest of us-----but then making up all those kits would mean you wouldn't=  
ever have the time to build your own-----but then look at the profit you=  
would make when you sold all the kits, you could probably retire when you=  
were 123 years old, and then you would have the time to build it, and the=  
n  
you could design the mark II version, and buy another 1000 resistors to  
make up another 999 kits for the rest of us-----but then making up all tho=  
se  
kits???????etc., etc.,

Beware the wrath of the left-handed haggis.....

72 and 73 de Mel  
GM6JAG  
Edinburgh Scotland UK  
Home of the last HW9

-----  
Date: Fri, 19 Sep 1997 07:34:13 -0500 (GMT-0500)  
From: Jim Osburn <wd9eyb@indiana.net>  
To: qrp-l@Lehigh.EDU (QRP List)

Subject: [27021] MFJ CWF-2  
Message-ID: <199709191234.HAA15489@butler.qrp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

The October QST has a good article about the history of MFJ.  
The article said that MFJ's first product was an active bandbase filter  
called a CWF-2. I have one of those! I thought it was just a useful  
QRP rig accessory, not a potential collector's item. I bought mine at  
the Lafayette, IN, hamfest a few years back for \$5.00. It's not for sale.

73,

Jim, WD9EYB  
wd9eyb@indiana.net

-----  
Date: Fri, 19 Sep 1997 08:49:20 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: slmachco@fix.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [27022] Re: Rainbow Tuner Enclosure  
Message-ID: <19970919.090020.2095.6.W4BWS@juno.com>

On Wed, 17 Sep 1997 13:15:21 -0700 (PDT) doug hauff <slmachco@fix.net>  
writes:

>One more thing I forgot to mention: it will be probably two months  
>before I  
>could produce the Rainbow Tuner Custom Enclosure....among other  
>things, TOP  
>SECRET project in progress...  
>  
>73 Doug KE6RIE -Just trashing your TV(vast wasteland) is a good  
>start-  
>  
>Where are the plans to convert the tv to a tuner?  
>W4BWS

-----  
Date: Fri, 19 Sep 1997 08:49:20 EDT

From: w4bws@juno.com (Donald E Sanders)  
To: crc@io.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [27023] Re: (no subject)  
Message-ID: <19970919.090020.2095.7.W4BWS@juno.com>

On Wed, 17 Sep 1997 23:48:05 -0500 charles crouchet <crc@io.com> writes:  
>Giant altoids boxes are going to be available at Xmas , the local  
>Trinninon (sp) coffee shop is planning to order them said they are  
>normally a Xmas thing only, about 10 oz of mint in each box,that is a  
>lot of mint. So if you smell mint on every one of your friends breaths  
>then you can make an educated guess as to your present this year, by  
>the way what are you doing smelling everyones breath?  
>--  
>charlie crouchet WA5KRF La vie est chere  
> crc@io.com La vie est dure  
> QRP-L #1207 Les femmes ne sont que  
> A QRP #7 Contre les mures  
>  
So how many cases did you order? The whole qrp-l gang will be waiting  
foir your xmas present. And , stay away from those ladies on the bus-even  
if they enjoy your breath.  
DON W4BWS

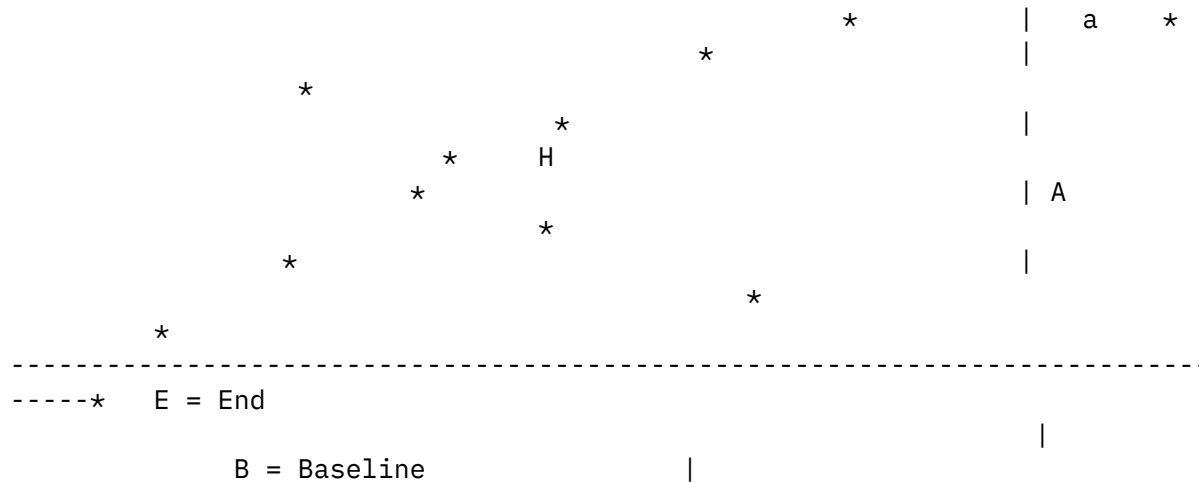
-----  
Date: Fri, 19 Sep 1997 09:05:07 -0400  
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
To: qrp-l@Lehigh.EDU  
Subject: [27024] Inverted V Dipole Angle Calculation  
Message-ID: <85256517.004681E4.00@dpcmail.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Someone asked how to do this, so I put this together. There are other ways  
using  
the trig laws. Either of these is usually pretty easy. Hope it helps. And I  
hope the  
drawing does not get screwed up in the transfer.

Watson/WB4EXW

\* P =

Peak Height



METHOD 1) To calculate Angle a using heights:

$$\text{Cosine } a = A/H$$

$$\text{Length } A = \text{Peak Height} - \text{End Height} = (P - E)$$

$$\text{Cosine } a = (P - E)/H$$

$$\text{Angle } a = \text{InvCosine } (P - E)/H$$

$$\text{Total Included Inverted V angle} = 2 \times a$$

Example: Inverted V peak is at 40 feet; Ends of dipole are at 10 feet.

Dipole legs

are each 70 feet long. Ground is assumed to be flat and horizontal.

$$\text{Then, Cosine } a = (40 - 10)/70 = 30/70 = 0.4286$$

$$\text{InvCos } (0.4286) = 64.62 \text{ degrees}$$

$$\text{Total angle} = 2 \times (64.62) = 129.25 \text{ degrees}$$

METHOD 2) To calculate Angle a using Base Length:

$$\text{Sin } a = B/H$$

Using same example above where dipole leg is 70 feet and baseline was measured to be 63.24 feet.

$$\text{Sin } a = 63.24/70 = 0.9034$$

$\text{InvSin}(0.9034) = 64.62 \text{ degrees}$

Total angle =  $2 \times 64.62 = 129.25 \text{ degrees}$

(And, yes, I purposely chose the base to be 63.24 feet to show how you get the same answer by either method.)

-----  
Date: Fri, 19 Sep 97 07:26:57 MDT  
From: af852@rgfn.epcc.Edu (William R Colbert)  
To: ac6xk@ivic.net, qrp-1@Lehigh.EDU  
Subject: [27025] RE: Yaesu QRP  
Message-ID: <9709191326.AA05864@rgfn.epcc.Edu>

Lorraine, the 301 may be able to be converted like the TenTec Triton series (520, 540, 544) by jumpering around the final amp board with a short coaxial jumper and then removing the 12v from the board. Not having one, I can't say for sure - worth a look at that and it keeps the mechanical integrity in tact.

--  
Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (Far West Texas)  
(also: v31xe@dzn.com)

-----  
Date: Fri, 19 Sep 97 07:33:26 MDT  
From: af852@rgfn.epcc.Edu (William R Colbert)  
To: crc@io.com, qrp-1@Lehigh.EDU  
Subject: [27026] re: shortwave board for PC's  
Message-ID: <9709191333.AA06566@rgfn.epcc.Edu>

The board you may be looking for is the WinRADIO board which is designed for the 386 and up type pc. It tunes between .5 mhz and 1300 Mhz. Requires a 386 or higher, 1 meg ram, 1 meg HD space, vga monitor, window 3.1 or 95 - windows 95 requires 486 or pentium



4 meg ram, svga monitor. List price at \$589.95, available thru  
Grove interprises (<http://www.grove.net>) (800-438-8155) for \$499.95.  
Probably available at Universal Radio in Reynoldsburg, Oh and EEB  
in Vienna Virginia also - tho I did not specifically check those sources.  
Hope this helps.

73 Ray

--

Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (Far West Texas)  
(also: [v31xe@dzn.com](mailto:v31xe@dzn.com))

-----  
Date: Fri, 19 Sep 97 07:37:24 MDT  
From: [af852@rgfn.epcc.Edu](mailto:af852@rgfn.epcc.Edu) (William R Colbert)  
To: [crc@io.com](mailto:crc@io.com), [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [27027] re: shortwave card for PC's  
Message-ID: <9709191337.AA07195@rgfn.epcc.Edu>

I forgot to mention you might also check the following for more  
information: <http://www.winradio.com> or <http://www.winradio.net.au>

and WinRadio also has a spectrum analyzer card for the PC, as well.  
Did not see anything for a regular scope card.

--

Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (Far West Texas)  
(also: [v31xe@dzn.com](mailto:v31xe@dzn.com))

-----  
Date: Fri, 19 Sep 1997 13:49:16 +0000  
From: Sandy W5TVW <[ebjr@worldnet.att.net](mailto:ebjr@worldnet.att.net)>  
To: [af852@rgfn.epcc.Edu](mailto:af852@rgfn.epcc.Edu), [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [27028] re: shortwave board for PC's  
Message-ID: <19970919134913.AAA12745@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 01:33 PM 9/19/97 +0000, you wrote:

>

>

>The board you may be looking for is the WinRADIO board which is  
>designed for the 386 and up type pc. It tunes between .5 mhz  
>and 1300 Mhz. Requires a 386 or higher, 1 meg ram, 1 meg HD space,  
>vga monitor, window 3.1 or 95 - windows 95 requires 486 or pentium  
>4 meg ram, svga monitor. List price at \$589.95, available thru  
>Grove enterprises (<http://www.grove.net>) (800-438-8155) for \$499.95.  
>Probably available at Universal Radio in Reynoldsburg, Oh and EEB  
>in Vienna Virginia also - tho I did not specifically check those sources.  
>Hope this helps.  
>73 Ray

Who would want this kind of board? Inside a computer...no less!  
Instead of "Intel Inside" it would be "Spurious Signal City Inside"! I've  
NEVER had a computer that didn't generate all sorts of assorted RF trash,  
signals noise etc. all over the HF spectrum. I cannot even imagine putting  
a sensitive receiver inside a  
computer and expecting to be able to use it to receive signals outside the  
computer.

My recommendation is to get something "seperate"! If you want to  
control the receiver with the computer then at least you can make provisions  
for reducing the "crud" that comes from inside the computer cabinet.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: Hallicrafters SR-75 Transceiver\*\*

\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

-----  
Date: Fri, 19 Sep 1997 09:51:30 -0400

From: "Watson R Gabriel Jr" <[wgabriel@duke-energy.com](mailto:wgabriel@duke-energy.com)>

To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)

Subject: [27029] Inverted V Dipole Angle Calculation

Message-ID: <85256517.004AF796.00@dpcmail.dukepower.com>

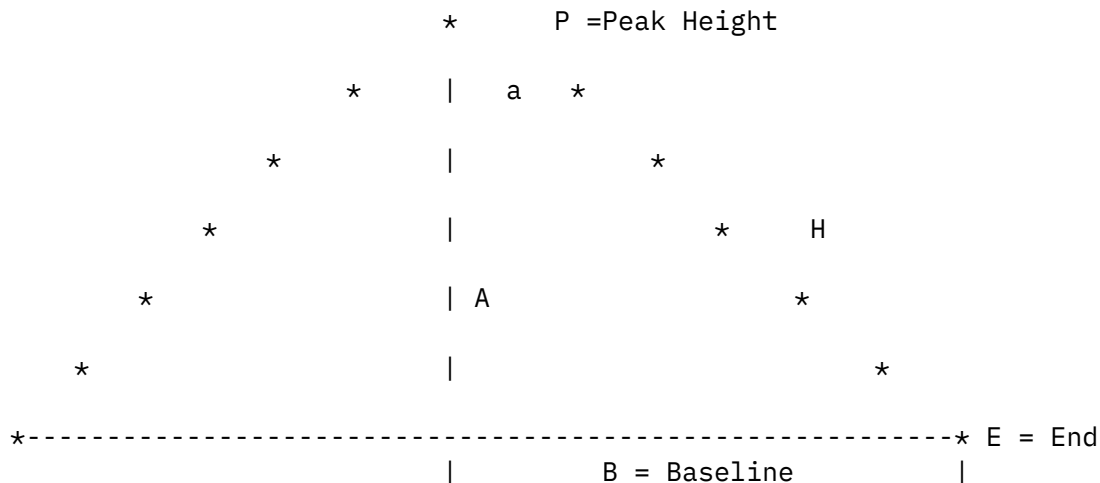
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

I see the sketch got messed up so let's try again. Sorry.

Watson/WB4EXW

Someone asked how to do this, so I put this together. There are other ways using the trig laws. Either of these is usually pretty easy. Hope it helps. And I hope the drawing does not get screwed up in the transfer.  
Watson/WB4EXW



METHOD 1) To calculate Angle a using heights:

Cosine a = A/H

Length A = Peak Height - End Height = (P - E)

Cosine a = (P - E)/H

Angle a = InvCosine (P - E)/H

Total Included Inverted V angle = 2 x a

Example: Inverted V peak is at 40 feet; Ends of dipole are at 10 feet.  
Dipole legs are each 70 feet long. Ground is assumed to be flat and horizontal.

Then, Cosine a = (40 - 10)/70 = 30/70 = 0.4286

InvCos (0.4286) = 64.62 degrees

Total angle = 2 x (64.62) = 129.25 degrees

METHOD 2) To calculate Angle a using Base Length:

Sin a = B/H

Using same example above where dipole leg is 70 feet and baseline was measured to be 63.24 feet.

Sin a = 63.24/70 = 0.9034

InvSin (0.9034) = 64.62 degrees

Total angle = 2 x 64.62 = 129.25 degrees

(And, yes, I purposely chose the base to be 63.24 feet to show how you get the same answer by either method.)

-----  
Date: Fri, 19 Sep 1997 08:09:05 -0600  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: qrp-l@Lehigh.EDU, rodriguez@jet.es  
Subject: [27030] Re: QRP afield rules?  
Message-ID: <199709191409.IAA27681@zia.aoc.nrao.edu>

Here's the QRP AFIELD rules posted to the group a few weeks back ...

>From owner-qrp-l@lehigh.edu Tue Aug 26 08:18:49 1997  
Date: Tue, 26 Aug 1997 07:13:34 -0700  
Reply-To: jparker@fix.net  
Sender: owner-qrp-l@lehigh.edu  
Precedence: bulk  
From: Jerry Parker <jparker@fix.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: QRP AFIELD Info  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
X-To: qrp-l@lehigh.edu  
X-Sender: jparker@fix.net  
X-Mailer: Windows Eudora Pro Version 2.2 (32)  
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
Status: R

#### QRP AFIELD - 1997

QRP AFIELD - 1997 is sponsored by the QRP Club of New England and is designed to encourage QRP enthusiasts to field-test their radio equipment using temporary antennas and non-commercial power sources.

Date/Time: Saturday, September 20, 1997. 1600Z to 2400Z. You may operate a

maximum of six hours during the contest period.

Exchange: QRP-NE Members; RST, State/Province/Country, QRP-NE#  
Non-Members; RST, State/Province/Country, Power Output

#### Definitions:

Permanent Location: Any location using commercial power and/or permanently installed antennas.

Field Location: Any location using non-commercial power and temporary antennas.

High Power QRP: 1 to 5 watts output.

Low Power QRP: Less than one watt output.

#### Scoring (CW only)

1 point for each contact from a permanent location using high power QRP.

2 points for each contact from a permanent location using low power QRP.

4 points for each contact from a field location using high power QRP.

8 points for each contact from a field location using low power QRP.

#### Multipliers

Each State/Province/Country worked counts for one multiplier.

Multipliers may be counted only once regardless of band worked.

#### Awards and Results

A plaque will be awarded to the station with the highest point total.

Certificates will be awarded to the ten stations with the highest point totals. To receive a copy of the contest results, please include a #10 SASE with your contest submission.

#### Address

Chester (Chet) Bowles, W1CSB

RFD 2, Box 335L

Sharon, NH 03458

QRP AFIELD - 1997

#### Entry Form

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_ QRP-NE# \_\_\_\_\_

\_\_\_\_\_

Total Number of Contacts \_\_\_\_\_

Point/Contact (1) X \_\_\_\_\_

Subtotal = \_\_\_\_\_

Number of Multipliers Worked (2)X \_\_\_\_\_

FINAL SCORE = -----

1. Points per contact:

1 point for each contact from a permanent location using high power QRP.

2 points for each contact from a permanent location using low power QRP.

4 points for each contact from a field location using high power QRP.

8 points for each contact from a field location using low power QRP.

2. Multipliers: Each State/Province/Country worked counts as one multiplier. Multipliers may be counted only once regardless of band worked.

Transmitter/Xceiver -----

Power Output -----

Receiver -----

Power Source -----

Antenna

-----

Location

-----

Comments

-----  
-----  
-----

Submit Logs and Dupe Sheets to:            Chester (Chet) Bowles, W1CSB  
  
                                                 RFD 2, Box 335L  
  
                                                 Sharon, NH 03458

-----

Date: Fri, 19 Sep 1997 07:57:46 -0700  
From: Vic Rosenthal <rakefet@rakefet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [27031] Keyer choice  
Message-ID: <342292EA.AE279789@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks to everyone who made suggestions regarding keyers. I've chosen the Radio Adventure Code Boy keyer kit, which has the speed control pot and mode A that were my main requirements. It also has the very nice feature of a debounced input for a straight key, or --in my case-- a bug. Costs about \$38, nice and small and low-powered, too.

Vic K2VC0

-----

Date: Fri, 19 Sep 1997 11:17:21 -0400  
From: "W. D. Lindsey" <70511.3041@CompuServe.COM>



To: "INTERNET:wd9eyb@indiana.net" <wd9eyb@indiana.net>  
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@CompuServe.COM>, QRP-L Discussion Group  
<QRP-L@Lehigh.EDU>  
Subject: [27032] MFJ CWF-2  
Message-ID: <199709191119\_MC2-2111-C347@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Jim:

I too have one, which I bought at a hamfest in St. Paul, Minnesota, last year. BTW, I use it quite a bit. It is still a good unit. This particular was owned by a lifetime CW op, now QRT. I plan to keep it!

72/73,  
--Doc/K0EVZ qrp-l 861

-----  
Date: Fri, 19 Sep 1997 08:26:27 -0700  
From: n5inz@juno.com (John M Andrews)  
To: qrp-l@Lehigh.EDU  
Subject: [27033] N5INZ- I'm back.....  
Message-ID: <19970919.082627.12638.0.N5INZ@juno.com>

Howdy from Southern Texas-

What a trip.

1. Sweetie did NOT like Arizona. Arizona loved Sweetie esp. the tender, chewy parts.
2. If you decide to move, try to select a Big Yeller Truck that will go more then 15 MPH over 2% grades.
3. Don't warn family members that you are a Ham. They stopped counting the boxes marked "Radio Stuff" at 130+.  
(Note to the Texas QRP group- Expect several "White Elephant" door prizes- In large boxes).
4. We are shoe-horned into a small trailer while looking for the ideal antenna farm. Noted the LBJ ranch on the way in.  
Wonder if they would like neighbors?
5. Lots to do. I'll be working for 5 years after I'm dead.

72, John- N5INZ

-----  
Date: Fri, 19 Sep 1997 08:12:09 -0700  
From: torell@sicom.com (Kent Torell)  
To: qrp-l@Lehigh.EDU  
Subject: [27034] PROP: qrp to the field  
Message-ID: <v02130500b048457e945e@[192.91.202.41]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The geomagnetic storming that blanked out alaska the last few days is settling down, and predicted to be quiet during qrp ttf. Solar flux is decreasing, but the ionospheric sounders still show a fairly stout ionosphere. The measured muf over Texas and California was running between 25 to 30 Mhz yesterday afternoon. Sounds like 15 could indeed be open!

Good Luck :-)

Kent Torell    torell@sicom.com    602-607-4852  
SICOM    7585 E. Redfield, #202    Scottsdale, AZ    85260  
AB70A    scQRPion 6,qrp-l 57,ARCI 9075    DM33xn    33.55 N 112.078 W

-----  
Date: Fri, 19 Sep 1997 11:29:31 -0400  
From: "W. D. Lindsey" <70511.3041@CompuServe.COM>  
To: "INTERNET:pharden@aoc.nrao.edu" <pharden@aoc.nrao.edu>  
Cc: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@CompuServe.COM>  
Subject: [27035] De K0EVZ:Tks for Posting Rules  
Message-ID: <199709191133\_MC2-2117-B41D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Chester:

Many thanks for posting this timely message. I had lost the thread somewhere.

I plan to use the Wilderness Sierra at 2 watts into the \$4.00 "Inverted WYE" on 20 as long as that band is open. Will also try 40 out using the TNT/2 Windom or maybe the Gusher II, maybe in a Half Square configuration. We'll see.

My operating hours will be toward the end of the contest, due to travel. I expect to be up and running about 1830Z or so, going to 20 metres first. BTW the keyer will probably be the original Whiterook portable keyer, so forgive the CW which promises to be even worse than usual.

Hope to see everyone this Saturday. I still need to QSO Rhode Island, Nebraska, and Wisconsin for WAS... Good luck, \*EVERYONE\*!!

72/73,  
--Doc/K0EVZ qrp-l 861

-----  
Date: Fri, 19 Sep 1997 10:34:55 -0500  
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [27036] El Nino and apologies to Dana  
Message-ID: <v03007800b047fbb5a0e5@[144.92.104.132]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Apologies to Dana Myers for posting his comment and my reply to the list. I had jumped to conclusions and just assumed his message had gone to the list as well. I will keep careful watch of the headers in the future.

Well, I was just ready to say that some responders reminded me of the difficulty of forecasting weather months ahead of time. And then I saw Paul Harden's note. Hmm. I guess it means that the potential for really bad stuff is there.

Dana, you had a very good point about the lack of QRP cw use during the 1994 Calilifornia quake. Would it be of any help if we would volunteer our low-power cw services to the local SKYWARN group?

And by the way, I'm not married. Remember, the El Nino post was from another list and the woman wanted to warn people about winter. I do have some really fine birds, though, including Milliwatt the budgie and Sierra the cockatiel and they are like children to me.

Paulette Quick, WB9VHF  
Madison WI

-----  
Date: Fri, 19 Sep 1997 10:08:54 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@Lehigh.EDU, cqclist@lists.csn.net  
Subject: [27037] CQC Summer QSO Party Logs  
Message-ID: <199709191609.KAA16769@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Time's almost up!

Logs need to be in within 30 days of the event, or in other words  
postmarked before 9/24.

Also a reminder (and encouragement)-- we're issuing a lot more  
certificates this time. Top score for call area, and top score for  
band in single band class... one to a customer please (e.g. if you  
happen to win outright, you would presumably also have the top score  
for your call area and possibly on one or more bands, too, but you  
will only get the "highest" one you qualify for.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com  
<http://www.mtechnologies.com/mthome>  
(303)752-3382  
--

-----  
Date: Fri, 19 Sep 1997 10:42:39 -0700  
From: Ken Lopez <kjllopez@earthlink.net>  
To: QRP-1 <QRP-1@Lehigh.EDU>  
Subject: [27038] FS:Rigs/Bug  
Message-ID: <3422B985.3E@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

A&A 30 Meter QRP rig. This is the Gary Breed rig. Kit, complete, with cabinet, meter, etc. Unbuilt, with instructions, fully inventoried (it is all there!) \$95.

ICOM 751A, front panel power control for QRP-QR0, 500Hz CW filter, Keyer, 12V, Very late serial number, manual, box, and Service Manual  
Very Clean: \$850/offer

Vibroplex Lightning Bug: 1940's vintage, very nice: \$145:00

Ken, N6TZV  
PH 818-541-0712

-----  
Date: Fri, 19 Sep 1997 14:15:19 -0400  
From: "W. D. Lindsey" <70511.3041@compuserve.com>  
To: AE0Q V31RY <v31ry@ix.netcom.com>  
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>  
Subject: [27039] Re: De K0EVZ:Tks for Posting Rules  
Message-ID: <199709191417\_MC2-2115-8C78@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Glenn:

Good point....so will move to my MFJ keyer and the Mercury Paddle. Forgot about that possibility. Thanks for the reminder. But now how shall I explain my poor CW?!

72/73,  
--Doc/K0EVZ qrp-l 861

-----  
Date: Fri, 19 Sep 1997 13:26:19 +0000 (GMT)  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@fidoii.CC.lehigh.EDU  
Cc: plquick@facstaff.wisc.edu  
Subject: [27040] Re: El Nino and apologies to Dana  
Message-ID: <199709191326.NAA23591@okcforum.org>  
Content-Type: text

Paulette--

> Dana, you had a very good point about the lack of QRP cw use during the  
> 1994 Calilifornia quake. Would it be of any help of we would volunteer our  
> low-power cw services to the local SKYWARN group?

Actually, a relatively local group like SKYWARN is best served with VHF FM, and perhaps packet on VHF. I think that one could probably take a hint from the NTS when it comes to the usefulness of CW. The NTS nets handle local traffic mostly on VHF, and do some of the regional transfer of messages, and most of the inter-regional transfers, using CW (or so I hear, at least).

I'd imagine that if one is serious about making one's CW skills available for emergencies, participating in things like ARES and the NTS would be the way to go.

I'm glad to see you promoting this idea, because frankly, I believe that CW is currently under-rated as to its potential in emergencies. To some extent, it's true that CW has been replaced by more modern modes, when it comes to handling emergency traffic. Nevertheless, I do believe that there is a real potential for disasters to occur which could make the use of CW quite valuable. When it comes to communicating over long distances, when the need occurs, rather than when conditions happen to be favorable, without the benefit of any sort of normally-existing communications infrastructure, CW is hard be beat. Just as sure as such a disaster sooner or later comes along (not likely this year, or next year, or any given year, I'd imagine, but quite likely in the next decade or two, I'd also imagine), someone will be glad that CW can get through. Yes, other modes can get through, too...but none of them are yet as readily available as CW.

I do, however, have one little area of disagreement with what you've said. Frankly, I suspect that the emphasis on QRP is inappropriate. As I hinted at before, when such a disaster might occur, the need for immediate communication will drive things (whereas in normal routine hobby use of CW, we have the luxury of waiting for favorable conditions). When disasters have occurred in the past, amateurs providing emergency communication normally have all the \*equipment\* they need, but often are in want of sufficiently skilled operators to make the most of it. In fact, many of the people who have the necessary skills, will have gained them in part through \*making\* QRP work for them. Nevertheless, they'll communicate more effectively if they use one of the many 100 watt HF rigs that hopefully would be made available in an emergency, and could be adjusted on the fly for the best compromise between battery utilization, and signal punch (rather than being stuck with a small signal, whether conditions stink, or not).

I agree that there's a real possibility that some future disaster will make CW a desirable way to provide emergency communication (and that it'll be a good thing if the amateur community tries to stay prepared for such). But QRP CW, specifically, wouldn't be ideal.

Thanks for being a voice in support of a worthy cause that's rapidly losing popularity these days!

--Jim WB5UDE

-----

Date: Fri, 19 Sep 1997 11:50:24 -0700  
From: Jerry Parker <jparker@fix.net>  
To: qrp-l@Lehigh.EDU  
Subject: [27041] September NorCal Pics up  
Message-ID: <2.2.32.19970919185024.007399ec@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The pictures of the September Norcal Meeting are up off the NorCal Page.

Enjoy,,,72,,,Jerry...WA6OWR...K

-----

Date: Fri, 19 Sep 1997 12:56:09 -0600 (CST)  
From: Bruce Rattray <rattray@siast.sk.ca>  
To: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Subject: [27042] new NorCal kit  
Message-ID: <9509561219091997/A07343/RIEL/11B99B380900\*@MHS>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII  
Content-transfer-encoding: 7BIT

Just had a look at the NorCal pictures...really good stuff and always enjoyed by me!...I knew there was a reason why I kept those 6V6s!!...72 - Bruce (VE5RC)

-----  
Date: Fri, 19 Sep 1997 15:16:03 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [27043] QRP Afield  
Message-ID: <199709191926.PAA06290@pelican.talon.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Good luck to all in the contest.

Going to a Locust Lake State Park to work the contest.

Should have atleast the 40 meter dipole up tonight.

CU on the bands!

73 & Good DXing  
Ron de WB3AAL

E-mail: wb3aal@talon.net  
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

OWL's Radio Club

|               |                                       |
|---------------|---------------------------------------|
| QRP # 5318    | PA QSO Party 1996 Small Club Gavel    |
| G-QRP # 3031  | PA QSO Party 1996 Active Member, High |
| 10-10 # 13173 | Average Aggregate Award               |
| QRP-L # 1099  |                                       |

-----  
Date: Fri, 19 Sep 1997 15:32:55 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [27044] QRPA call?  
Message-ID: <Pine.LNX.3.93.970919152828.1138Q-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just curious how some people will call CQ for QRP Afield, CQ QRPA? CQ TEST?, CQ NE... Cause I'm sure there must be some other 'test on this weekend.



-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --

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Date: Fri, 19 Sep 1997 15:30:30 -0400 (EDT)  
From: SNickrand@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [27045] 12 volt 3.2 AH battery--\$15  
Message-ID: <970919152803\_-2068207622@emout18.mail.aol.com>

Just ordered the battery from All-Electronics Part No. GC-6322. Its a sealed lead-acid battery originally designed for cell phones. It also comes with a wall wart recharger. Should be great for portable work. I also ordered an adaptor cord for recharging from auto cigarette lighter (part No. CLP-29 at \$2.50). I ordered two adaptors--one for its intended use and one just for the unusual mating connector, which I will add to one end the coax connector which all my rigs use. Their phone number is 800-826-5432. ( I have no ties to All Electronics, blah, blah, blah....)

Bill Nickrand KB9KOL

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Date: Fri, 19 Sep 1997 15:48:43 -0400 (EDT)  
From: PDouglas12@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [27046] Virus pain  
Message-ID: <970919154649\_1290770498@emout18.mail.aol.com>

Hi Gang,

I know many of us in this group do a lot of software surfing on the internet.

I do. I have tried every known shareware program for SSTV, QRP stuff, analysis software, and more. Somewhere in there one piece came with an unwanted tag-along. Something called anti-CMOS A virus, whatever that is.

Sweeping it out of two home machines, my office desktop (thank goodness it didn't spread via LAN network too) and my son's machine in college. What a pain it was to clear the virus (McAfee's Viruscan does good work) and scan every floppy in three locations. It's been in my house for a while, as fully 25% of my floppies were infected.

&\*(% those guys who make up these virus things. Anyway, computer viruses turn out to be mostly preventable if you invest in a good anti-virus program.

I for one am resigned to the need to keep and maintain such software in all my machines now, human nature being what it is, sadly.

72,

Preston WJ2V

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Date: Fri, 19 Sep 1997 20:21:26 +0000  
From: "Lageson's" <LAGESON@worldnet.att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [27047] Virgin Call for QRP Afield  
Message-ID: <19970919202118.AAC6115@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

No, this is not a call for "virgins" to join us for QRP afield, instead it is a virgin call! Just to let you know that the club call for the MN QRP Society will be sent over the airwaves for the very first time this weekend during the QRP Afield contest. So keep a gentle ear open for WQORP!! We plan on working the last 6 hours of the contest, trying to get more out of 40 and even maybe some 80 mtrs late in the afternoon. Anyone wanting a QSL please send via N0UR.

Good luck

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Date: Fri, 19 Sep 1997 12:51:51 -0800  
From: "James H. Larsen" <larsennc@alaska.net>  
To: qrp-1@Lehigh.EDU  
Subject: [27048] AL7FS beam heading request  
Message-ID: <3422E5E7.E05@alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I am going to try it again from up at KL7Y QTH. Please turn your beams, verticals, EDZs, dipoles, half squares, etc, toward Alaska from time to time. I will be starting to operate at 1800Z and will operate through the contest end time.

If you hear me on a particular frequency, tell your friends. :-)

Wish me luck. There have been almost no signals on 20 meters the last 2-3 days.

73, Jim, AL7FS

--

Jim Larsen  
Anchorage, Alaska  
Acupressure Anchorage  
AL7FS ex-WA0LPK / KL7  
2 meter WAS #36  
Vision VR40 Recumbent Bike  
<http://www.servcom.com/worcester/chat.htm> QRP Chat

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Date: Fri, 19 Sep 1997 16:54:05 -0400  
From: rerobins@unccvm.uncc.edu (Rick Robinson)  
To: qrp-l@Lehigh.EDU  
Subject: [27049] Heath Sixer 6 meter QRP  
Message-ID: <v02130501b0470ae9eeb5@[152.15.144.13]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Did anyone else ever run a Heath 6er on 6 meter AM? I built one in 1964 and had a blast with it. There were lots of locals on 6 meter AM and I worked about a dozen states with it. My best "DX" was a VE1 that I worked one afternoon after I got home from high school. Not bad for a 5 watt AM rig with a super-regenerative receiver and a 50.25 Mcs crystal. The antenna was a military surplus ground-plane antenna from a MAW-1 transceiver.

Oh no, I feel a wave of nostalgia coming over me. Now I'll have to find a Sixer at a hamfest.

72,

Rick kf4ar

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Date: Fri, 19 Sep 1997 17:43:15 -0400  
From: Craig LaBarge <LaBarge\_C@compuserve.com>

To: QRP-L Mailing List <qrp-l@Lehigh.EDU>  
Subject: [27050] Goin' to da field!  
Message-ID: <199709191743\_MC2-211D-B25E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hey there!

I'll be doing my QRP Afield thing from French Creek State Park here in southeastern PA while doing some camping. The weatherman is forecasting the possibility of thunderstorms in the late afternoon or evening tomorrow. It could get real exciting! I'll definitely be keeping my antenna setup very simple, just in case. Probably just a single wire.

Listen carefully for me on 20 and 40 meters. I'll be running just a hair under 1 watt. =

Hope to work you all!

73, Craig WB3GCK

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Date: Fri, 19 Sep 1997 18:30:31 +0100  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
To: malman@bbn.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [27051] Re: SST/40 question  
Message-ID: <uf4QqHA3arI0Ewd+@gqrpclub.demon.co.uk>  
MIME-Version: 1.0

In message <199709172335.TAA47088@nss2.CC.Lehigh.EDU>, Joel Malman <malman@BBN.COM> writes

>

> 1. Do all the SST's receivers sound like you are listening to signals  
> coming from under water.

I have the 20m SST and no, mine is OK. Perhaps you may prefer a wider filter? Mods are in the booklet.

> 2. The SST seems to drift a bit more than I expected. Did anyone else  
> notice this?

>

I am surprised at that. Unless you have extended the tuning range

greatly, there should be no problem.  
Have fun!

--

Frank G3YCC

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Date: Fri, 19 Sep 1997 14:37:13 -0700  
From: Ken Lopez <kjlopez@earthlink.net>  
To: QRP-1 <QRP-1@Lehigh.EDU>  
Subject: [27052] FS: Lightning Bug Sold  
Message-ID: <3422FE6E.2B3C@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi gang, the lightning bug has been spoken for.

Thanks,  
Ken, N6TZV

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Date: Fri, 19 Sep 1997 16:41:40 -0600  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [27053] QRPA Solar Forecast: good  
Message-ID: <199709192241.QAA15133@zia.aoc.nrao.edu>

Here's the solar/geophysical report just released Friday for this weekend. Solar flux is dropping (now at 88 - shucks) meaning the higher bands may not be favorable, but VERY quiet geomagnetic conditions means the bands should at least be quiet, making weak signal work a bit easier to copy.

GL, Paul NA5N

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JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
SDF NUMBER 262 ISSUED AT 2200Z ON 19 SEP 1997

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z  
TO 19/2100Z: SOLAR ACTIVITY WAS LOW. SEVERAL C-CLASS FLARES OCCURRED  
SINCE YESTERDAY. THE LARGEST WAS A C8/1F AT 19/0150Z WHICH WAS  
OPTICALLY CORRELATED WITH REGION 8085 (S25W90).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. OCCASIONAL C-CLASS EVENTS ARE POSSIBLE FROM REGION 8086 (N27W25).

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET THROUGH THE PERIOD AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET THROUGH THE FORECAST PERIOD.

IV. PENTICTON 10.7 CM FLUX

OBSERVED 19 SEP 088

PREDICTED 20 SEP-22 SEP 086/084/084

90 DAY MEAN 19 SEP 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 SEP 014/017

ESTIMATED AFR/AP 19 SEP 005/005

PREDICTED AFR/AP 20 SEP-22 SEP 005/005-005/005-005/005

VI. GEOMAGNETIC ACTIVITY PROBABILITIES 20 SEP-22 SEP

<10% chance listed for any activity or storming

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End of QRP-L Digest 853

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